

Title (en)
WIDE-ANGLE OPTICAL SYSTEM WITH VARIABLE FOCUS

Title (de)
OPTISCHES WEITWINKELSYSTEM MIT VARIABLEM FOKUS

Title (fr)
SYSTÈME OPTIQUE GRAND ANGLE À FOCAL VARIABLE

Publication
EP 3507639 A1 20190710 (FR)

Application
EP 17771488 A 20170830

Priority
• FR 1658104 A 20160901
• FR 2017052310 W 20170830

Abstract (en)
[origin: WO2018042129A1] A fisheye-type wide-angle optical system (1) with variable focus mounted on an electronic image formation system (2) comprising a non-planar electronic image sensor (3) with fixed radius of curvature. The optical system comprises a first group of lenses (A) with negative refractive power and a second group of lenses (B) with positive refractive power moving with respect to each other between a shorter focal distance configuration and a longer focal distance configuration. The optical system satisfies condition (I) where C is the radius of curvature of the image formed by the optical system and bfw is the distance between the end lens of the imaged space of the second group of lenses and the object image formed by the optical system in the shorter focal distance configuration.

IPC 8 full level
G02B 13/06 (2006.01); **G02B 15/16** (2006.01)

CPC (source: EP US)
G02B 13/06 (2013.01 - EP); **G02B 15/142** (2019.07 - EP); **G02B 15/1425** (2019.07 - EP US)

Citation (search report)
See references of WO 2018042129A1

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